

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001414

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: C07K 17/00, C12N 5/00, C07C 29/00
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C07K, C12N, C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPO-INTERNAL, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6378527 B1 (HUNGERFORD ET AL), 30 April 2002 (30.04.2002), abstract, column 12, line 43 - column 13, line 21, column 16, line 52, column 17, line 7	1-6,9-11, 19-23,25-30
Y		12-14,16-18, 24
A	--	7,8,15
A	US 6103479 A (TAYLOR), 15 August 2000 (15.08.2000), abstract	1-23,25-30
Y	--	24

☒ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
11 January 2005

Date of mailing of the international search report

13-01-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer
Malin Söderman/EÖ
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001414

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0420171 A1 (KIRIN BEER KABUSHIKI KAISHA), 3 April 1991 (03.04.1991), page 4, line 25 - line 30	12-14,17,18
A	--	1-11,15,16, 19-30
Y	US 20030133988 A1 (FEARON ET AL), 17 July 2003 (17.07.2003), page 1, chapter 2, page 4, chapter 29	16
A	--	1-15,17-30
A	US 5512474 A (CLAPPER ET AL), 30 April 1996 (30.04.1996), abstract, column 7, line 44	1-30
A	--	
A	WO 03072155 A1 (ENCELLE, INC.), 4 Sept 2003 (04.09.2003), abstract, page 8, lines 16-33	1-30
A	--	
A	US 6407208 B1 (CHEN ET AL), 18 July 2002 (18.07.2002), abstract, column 5, lines 19-27	1-30
	-- -----	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001414

US	6378527	B1	30/04/2002	AU	3626700	A	09/10/2000
				CA	2366669	A	28/09/2000
				EP	1171057	A	16/01/2002
				US	6514522	B	04/02/2003
				US	6637437	B	28/10/2003
				US	6662805	B	16/12/2003
				US	20010014475	A	16/08/2001
				US	20010051834	A	13/12/2001
				US	20020012705	A	31/01/2002
				US	20020123142	A	05/09/2002
				US	20020133235	A	19/09/2002
				US	20040044408	A	04/03/2004
				US	20040117033	A	17/06/2004
				WO	0056251	A	28/09/2000
				CN	2395409	U	06/09/2000
				TW	411641	B	00/00/0000
				US	5934936	A	10/08/1999
				AU	8081082	A	02/08/1982
				BR	8108938	A	14/12/1982
				DE	3174951	D	00/00/0000
				JP	57502168	T	09/12/1982
				US	6514073	B	04/02/2003
<hr/>							
US	6103479	A	15/08/2000	AT	268008	T	15/06/2004
				AU	730100	B	22/02/2001
				AU	6667898	A	18/09/1998
				CA	2282658	A,C	03/09/1998
				CA	2410688	A,C	03/09/1998
				DE	69824174	D	00/00/0000
				DK	983498	T	16/08/2004
				EP	0983498	A,B	08/03/2000
				SE	0983498	T3	
				EP	1439384	A	21/07/2004
				JP	2000509827	T	02/08/2000
				JP	2002355090	A	10/12/2002
				US	6548263	B	15/04/2003
				US	6671624	B	30/12/2003
				WO	9838490	A	03/09/1998
				US	5989835	A	23/11/1999
				US	6416959	B	09/07/2002
				US	6573039	B	03/06/2003
				US	6620591	B	16/09/2003
				US	6727071	B	27/04/2004
				US	6756207	B	29/06/2004
				US	6759206	B	06/07/2004
				US	20030096322	A	22/05/2003
				US	20040009539	A	15/01/2004
				US	20040063162	A	01/04/2004
				US	20040101912	A	27/05/2004
				AU	734704	B	21/06/2001
				AU	3297197	A	05/01/1998
				CA	2257287	A	04/12/1997
				EP	0912892	A	06/05/1999
				JP	2000512009	T	12/09/2000
				WO	9745730	A	04/12/1997

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001414

EP	0420171	A1	03/04/1991	CA	2026121 A	27/03/1991
				JP	3175973 A	31/07/1991
<hr/>						
US	20030133988	A1	17/07/2003	CA	2456328 A	20/02/2003
				EP	1420829 A	26/05/2004
				WO	03014316 A	20/02/2003
<hr/>						
US	5512474	A	30/04/1996	NONE		
<hr/>						
WO	03072155	A1	04/09/2003	CA	2476653 A	04/09/2003
				CA	2476656 A	04/09/2003
				EP	1476202 A	17/11/2004
				EP	1476204 A	17/11/2004
				US	20030232198 A	18/12/2003
				US	20030232746 A	18/12/2003
				WO	03072157 A	04/09/2003
<hr/>						
US	6407208	B1	18/07/2002	TW	552268 B	00/00/0000
<hr/>						